

JOURNAL Patent: US 5972677-A 17 26 OCT-1999,
 FEATURES Location/Qualifiers
 1..44
 SOURCE /organism="unknown"
 BASE COUNT 10 a 13 c 12 g 9 t
 ORIGIN

Query Match 3.2%; Score 33; DB 6; Length 44;
 Best Local Similarity 100.0%; Prod No. 6.9e+02;
 Matches 33; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 127 CCAGAGATGAAGGCTCTCCCTCCACTGGCTTGG 159
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 Db 12 CCAGAGATGAAGGCTCTCCCTCCACTGGCTTGG 44

RESULT 2
 ARI98380
 LOCUS ARI98380 44 bp DNA linear PAT 20-APP-2002
 DEFINITION Sequence 17 from patent US 6352849.
 ACCESSION ARI98380
 VERSION ARI98380.1 GI:20248229
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown.

REFERENCE 1 (bases 1 to 44)
 AUTHORS Tischfield,J.A. and Seilhamer,J.D.
 TITLE Mammalian phospholipase A2 nucleotide sequences, low molecular weight amino acid sequences encoded thereby, antisense sequences and nucleotide sequences having internal ribosome binding sites
 JOURNAL Patent: US 6352849-A 17 05-MAR-2002;
 FEATURES Location/Qualifiers
 1..44
 SOURCE /organism="unknown"

BASE COUNT 10 a 13 c 12 g 9 t
 ORIGIN

Query Match 3.2%; Score 33; DB 6; Length 44;
 Best Local Similarity 100.0%; Prod No. 6.9e+02;
 Matches 33; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 127 CCAGAGATGAAGGCTCTCCCTCCACTGGCTTGG 159
 |||||
 Db 12 CCAGAGATGAAGGCTCTCCCTCCACTGGCTTGG 44

RESULT 3
 ARI981985/c
 LOCUS ARI981985 39 bp DNA linear PAT 31-AUG-2000
 DEFINITION Sequence 18 from patent US 5972677.
 ACCESSION ARI981985
 VERSION ARI981985.1 GI:10008711
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown.

REFERENCE 1 (bases 1 to 39)
 AUTHORS Tischfield,J.A. and Seilhamer,J.D.
 TITLE Mammalian phospholipase A2 nucleotide sequences, low molecular weight amino acid sequences encoded thereby, antisense sequences and nucleotide sequences having internal ribosome binding sites
 JOURNAL Patent: US 5972677-A 18 26-OCT-1999;
 FEATURES Location/Qualifiers
 1..39
 SOURCE /organism="unknown"

BASE COUNT 9 a 9 c 14 g 7 t
 ORIGIN

Query Match 2.5%; Score 25.4; DB 6; Length 39;
 Best Local Similarity 96.3%; Prod No. 8e+04;
 Matches 26; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 526 TTTCACACATCTCTGCTCTAGGGC 552
 |||||
 Db 39 TTTCACACATCTCTGCTCTAGGGC 14

RESULT 4
 ARI98381/c
 LOCUS ARI98381 39 bp DNA linear PAT 20-AUG-2002
 DEFINITION Sequence 18 from patent US 6352849.
 ACCESSION ARI98381
 VERSION ARI98381.1 GI:20248230
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown.

REFERENCE 1 (bases 1 to 39)
 AUTHORS Tischfield,J.A. and Seilhamer,J.D.
 TITLE Mammalian phospholipase A2 nucleotide sequences, low molecular weight amino acid sequences encoded thereby, antisense sequences and nucleotide sequences having internal ribosome binding sites
 JOURNAL Patent: US 6352849-A 18 05-MAR-2002;
 FEATURES Location/Qualifiers
 1..39
 SOURCE /organism="unknown"

BASE COUNT 9 a 9 c 14 g 7 t
 ORIGIN

Query Match 2.5%; Score 25.4; DB 6; Length 49;
 Best Local Similarity 96.3%; Prod No. 8e+04;
 Matches 26; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 526 TTTCACACATCTCTGCTCTAGGGC 552
 |||||
 Db 39 TTTCACACATCTCTGCTCTAGGGC 13

RESULT 5
 AB067851/c
 LOCUS AB067851 24 bp DNA linear SVR 08 AUG 2001
 DEFINITION Synthetic construct DNA, reverse primer for human SRS-STSG1697 at 1p36.
 ACCESSION AB067851
 VERSION AB067851.1 GI:15128655
 KEYWORDS
 SOURCE Synthetic construct DNA.
 ORGANISM Artificial sequences.

REFERENCE 1
 AUTHORS Chen,Y.Z., Bayashi,Y., Wu,J.G., Takeoka,E., Mochizuki,K., Watanabe,N., Inazawa,J., Hosoda,F., Arai,Y., Mizushima,H., Morohashi,A., Ohira,M., Nakadawara,A., Ito,S., Hoshi,M., Horii,A. and Soeda,E.
 TITLE A BAC based SRS-content map spanning a 35-Mb region of human chromosome 1p35-p36
 JOURNAL Genomics 74 (1), 55-70 (2001)
 MEDLINE 21269192
 REFERENCE 2 (bases 1 to 24)
 AUTHORS Horii,A.

Direct Submission
 Submitted (04-AUG-2001) Avira, Noriaki, Tokyo, University School of Medicine, Molecular Pathology; 2-1 Setryomachi, Aoba-ku, Sendai, Miyagi 980-8575, Japan (E-mail:horii@mail.cc.tohoku.ac.jp, tel:022-2717-8342; fax:022-2717-8077)
 FEATURES Location/Qualifiers
 1..24
 SOURCE /organism="synthetic construct"
 misc_feature 1..24
 /note="reverse primer for human SRS-STSG1697 at 1p36. SRS-STSG1697 obtained from clones H4422, H4714, H4402, H13433, H29322 and H82016; Human PAC library Kc1-11"

BASE COUNT 8 a 7 c 4 g 5 t
 ORIGIN

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Query Match          2.4%; Score 24; DB 12; Length 24;
Best Local Similarity 100.0%; Prod. No. 1.9e+05;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 966 GACTCTCAATCGGTGATGG 989
|||||
DB 24 GACTCTCAATCGGTGATGG 1

RESULT 6
LOCUS 109225/c
DEFINITION Sequence 26 from Patent WO 8901773.
ACCESSION 109225
VERSION 109225.1 GI:588056
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 50)
AUTHORS Johnson, J. K., Seilhamer, J. J., Puzanski, W., and Vidus, P.
TITLE SYNOMIAL PHOSPHOLIPASES
JOURNAL Patent: WO 8901773-A 26 NOV-1989.
FEATURES
    source      Location/Qualifiers
    1..50      /organism="unknown"
BASE COUNT 9 a 13 c 16 g 12 t
ORIGIN

Query Match          2.2%; Score 22; DB 6; Length 60;
Best Local Similarity 66.0%; Prod. No. 4.1e+05;
Matches 11; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 225 AACAGAGCGGCTATGCTATGAGCTGTTATTCACCGCTGGG 284
|||||
DB 50 AACAGAGCGGCTATGCTATGAGCTGTTATTCACCGCTGGG 1

RESULT 7
LOCUS AR081980
DEFINITION Sequence 13 from patent US 5972677.
ACCESSION AR081980
VERSION AR081980.1 GI:10008706
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 22)
AUTHORS Tischfield, J. A., and Seilhamer, J. J.
TITLE Mammalian phospholipase A.sub.2 nucleotide sequences low molecular weight amino acid sequences encoded thereby antisense sequences and nucleotide sequences having internal ribosome binding sites
JOURNAL Patent: US 5972677-A 13 26-Oct-1999;
FEATURES
    source      Location/Qualifiers
    1..22      /organism="unknown"
BASE COUNT 1 a 5 c 7 g 9 t
ORIGIN

Query Match          2.3%; Score 23; DB 6; Length 22;
Best Local Similarity 100.0%; Prod. No. 6.7e+05;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 151 CTGGCTTGCTGCTGGCTGTTA 172
|||||
DB 1 CTGGCTTGCTGCTGGCTGTTA 22

RESULT 8
LOCUS AR081981
DEFINITION Sequence 16 from patent US 5972677.
ACCESSION AR081981
VERSION AR081981.1 GI:10008709
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 22)
AUTHORS Tischfield, J. A., and Seilhamer, J. J.
TITLE Mammalian phospholipase A.sub.2 nucleotide sequences low molecular weight amino acid sequences encoded thereby antisense sequences and

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Sequence 14 from patent US 5972677.

AR081981

AR081981.1 GI:10008707

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

FEATURES

source

BASE COUNT

ORIGIN

Query Match

Best Local Similarity

Matches

Conservative

Mismatches

Indels

Gaps

QY

DB

RESULT 9

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

FEATURES

source

BASE COUNT

ORIGIN

Query Match

Best Local Similarity

Matches

Conservative

Mismatches

Indels

Gaps

QY

DB

RESULT 10

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

FEATURES

source

BASE COUNT

ORIGIN

Query Match

Best Local Similarity

Matches

Conservative

Mismatches

Indels

Gaps

QY

DB

RESULT 11

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

FEATURES

source

BASE COUNT

ORIGIN

nucleotide sequences having internal ribosome binding sites
Patent: US 5972677-A 16 26-OCT-1999;

FEATURES
SOURCE
1..22
/organism="unknown"
BASE COUNT 7 a 1 c 9 g 5 t
ORIGIN

Query Match 2.2%; Score 22; DB 6; Length 22;
Best Local Similarity 100.0%; Pred. No. 6.7e+05;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 522 ATACTTCCCAACATGCTCTGC 543
|||||
Db 22 ATACTTCCCAACATGCTCTGC 1

RESULT 11
ARI98376
LOCUS
DEFINITION
Sequence 13 from patent US 6352849.
ACCESSION
ARI98376
VERSION
ARI98376.1 GI:20248225
KEYWORDS
Unknown.
SOURCE
Unknown.
ORGANISM
Unclassified.
REFERENCE
1 (bases 1 to 22)
AUTHORS
Tischfield,J.A. and Seilhamer,J.J.
TITLE
Mammalian phospholipase A2 nucleotide sequences, low molecular weight amino acid sequences encoded thereby, antisense sequences and nucleotide sequences having internal ribosome binding sites
JOURNAL
Patent: US 6352849-A 13 05-MAR-2002.
FEATURES
source
Location/Qualifiers
1..22
/organism="unknown"
BASE COUNT 1 a 5 c 7 g 9 t
ORIGIN

Query Match 2.2%; Score 22; DB 6; Length 22;
Best Local Similarity 100.0%; Pred. No. 6.7e+05;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0.

QY 151 CTGGCTGCTGCTGCTGCTGTA 172
|||||
Db 1 CTGGCTGCTGCTGCTGCTGTA 22

RESULT 12
ARI98377
LOCUS
DEFINITION
Sequence 14 from patent US 6352849.
ACCESSION
ARI98377
VERSION
ARI98377.1 GI:20248226
KEYWORDS
Unknown.
SOURCE
Unknown.
ORGANISM
Unclassified.
REFERENCE
1 (bases 1 to 22)
AUTHORS
Tischfield,J.A. and Seilhamer,J.J.
TITLE
Mammalian phospholipase A2 nucleotide sequences, low molecular weight amino acid sequences encoded thereby, antisense sequences and nucleotide sequences having internal ribosome binding sites
JOURNAL
Patent: US 6352849-A 14 05-MAR-2002.
FEATURES
source
Location/Qualifiers
1..22
/organism="unknown"
BASE COUNT 5 a 5 c 8 g 4 t
ORIGIN

Query Match 2.2%; Score 22; DB 6; Length 22;
Best Local Similarity 100.0%; Pred. No. 6.7e+05;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 186 GCAAGGAGGCTTGGTGGACCTA 207
|||||
Db 1 GCAAGGAGGCTTGGTGGACCTA 22

RESULT 13
ARI98378/c
LOCUS
DEFINITION
Sequence 15 from patent US 6452849.
ACCESSION
ARI98378
VERSION
ARI98378.1 GI:20248227
KEYWORDS
Unknown.
SOURCE
Unknown.
ORGANISM
Unclassified.
REFERENCE
1 (bases 1 to 22)
AUTHORS
Tischfield,J.A. and Seilhamer,J.J.
TITLE
Mammalian phospholipase A2 nucleotide sequences, low molecular weight amino acid sequences encoded thereby, antisense sequences and nucleotide sequences having internal ribosome binding sites
JOURNAL
Patent: US 6352849-A 15 05-MAR-2002;
FEATURES
source
Location/Qualifiers
1..22
/organism="unknown"
BASE COUNT 2 a 5 c 8 g 7 t
ORIGIN

Query Match 2.2%; Score 22; DB 6; Length 22;
Best Local Similarity 100.0%; Pred. No. 6.7e+05;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

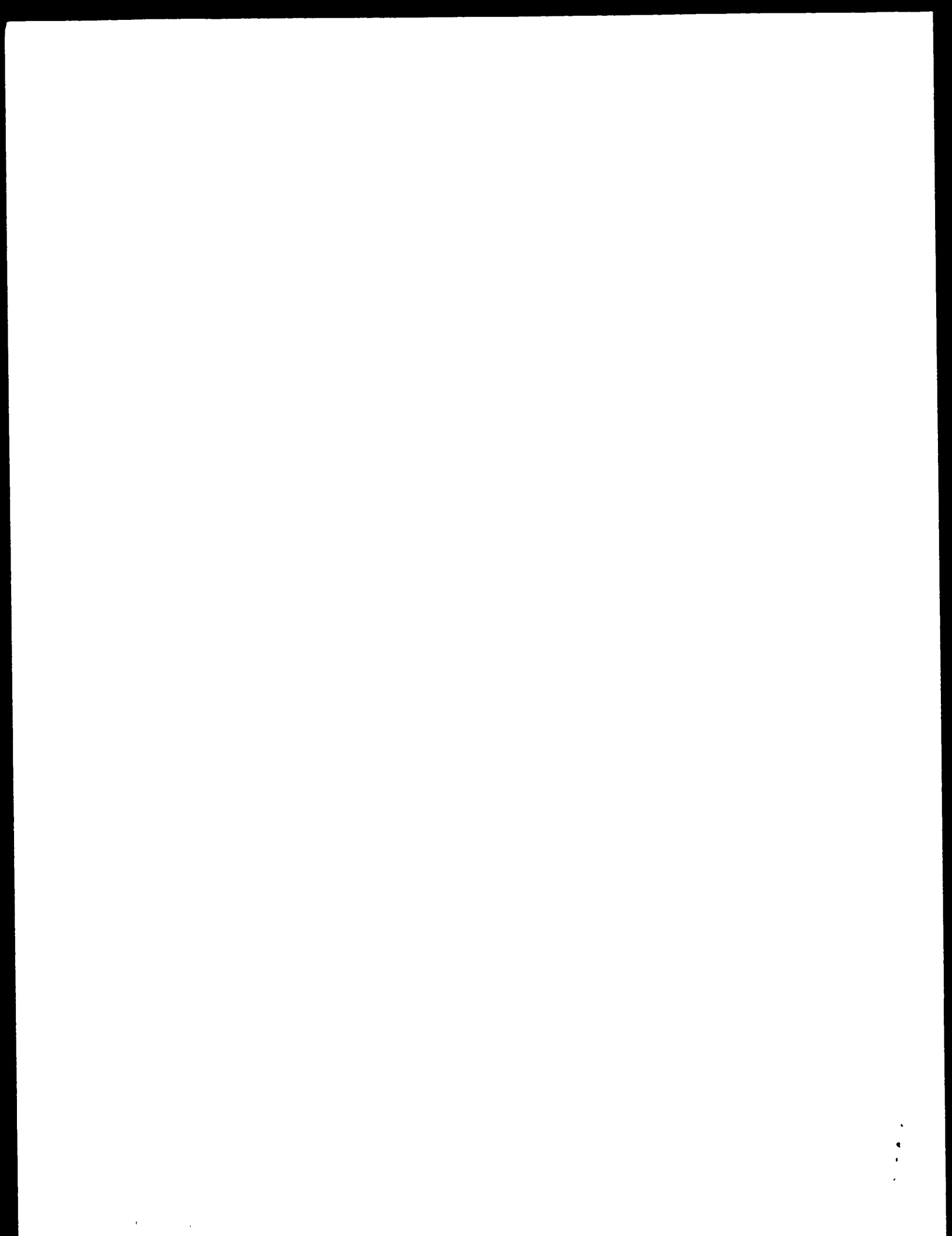
QY 204 AACGCTTAAGGATGGCAYCGAT 315
|||||
Db 22 AACGCTTAAGGATGGCAYCGAT 1

RESULT 14
ARI98379/c
LOCUS
DEFINITION
Sequence 16 from patent US 6352849.
ACCESSION
ARI98379
VERSION
ARI98379.1 GI:20248228
KEYWORDS
Unknown.
SOURCE
Unknown.
ORGANISM
Unclassified.
REFERENCE
1 (bases 1 to 22)
AUTHORS
Tischfield,J.A. and Seilhamer,J.J.
TITLE
Mammalian phospholipase A2 nucleotide sequences, low molecular weight amino acid sequences encoded thereby, antisense sequences and nucleotide sequences having internal ribosome binding sites
JOURNAL
Patent: US 6352849-A 16 05-MAR-2002;
FEATURES
source
Location/Qualifiers
1..22
/organism="unknown"
BASE COUNT 7 a 1 c 9 g 5 t
ORIGIN

Query Match 2.2%; Score 22; DB 6; Length 22;
Best Local Similarity 100.0%; Pred. No. 6.7e+05;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 522 ATACTTCCCAACATGCTCTGC 543
|||||
Db 22 ATACTTCCCAACATGCTCTGC 1

RESULT 15
AX441046
LOCUS
DEFINITION
Sequence 72 from Patent WO204664.
ACCESSION
AX441046




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RESULT 4
ABL43300/c
ID ABL43300 standard: DNA, 24 BP
AC ABL4 3300:
DE 11-APR-2002 (first entry)
XX Human chromosome 1p36-35 PCR primer SEQ ID NO:344.
XX Human chromosome 1p36-35; chromosome 21q22.1; genetic analysis;
FW genome: PCR primer; ss.
XX Homo sapiens.
OS
XX JP2601-21190-A.
IN 20 NOV 2001.
XX 12-MAR-2001; 2001IP-0068245
XX 10 MAR 2000; 2000JP-0066716.
XX (RCEA ) ATACAPU FENKYUSHO.
PA (GENE ) GENETEX YC.
XX WPI: 2002-144136/19
DR Arraying genome clones
XX Claim 4: Page 11, 528pp, Japanese.
XX The present invention describes a method of arraying genome clones. The
CC method comprises: (a) clones of the genomic libraries contained in
CC multiwell plates numbered for discrimination are mixed in each of the
CC multiwell plates; (b) a primer designed based on the chromosome marker
CC sequence is added to the mixture to carry out a first PCR reaction;
CC (c) a signal corresponding to the marker is detected from the resultant
CC amplified product to specify the discrimination Nos. of the multiwell
CC plates containing the clones having said marker sequence; (d) the order
CC of the markers is changed so that the same discrimination Nos. succeed to
CC the maximum in the specified discrimination Nos. to array the multiwell
CC plates; (e) the clones in the multiwell plates of the specified
CC discrimination Nos. are mixed respectively in each well of longitudinal
CC and lateral directions; (f) the mixed clones are cultured and the
CC resultant cultures are amplified by using the above primer; (g) signals
CC are detected from the amplified products; (h) the clones in the multiwell
CC plates are specified from the detected result; and (i) the clones are
CC reconstituted as the positions on the chromosome and arrayed. The
CC microarray is useful for gene analysis. ABL43300 to ABL45634 represent
CC PCR primers for human chromosome 1p36 35 DNA, and ABL45323 to ABL45634
CC represent PCR primers for human chromosome 21q22.1, which are
CC specifically claimed for use in the present invention.
XX Sequence 24 BP; 8 A; 7 C; 4 G; 5 T; 0 other;
SU Query Match 2.49; Score 24; DB 24; Length 24.
Best Local Similarity 100.00; Pred. No. 1; GC%;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0.
UY 566 GACICICIAAATCGGTGATGGG 989
DB 24 GACICICIAAATCGGTGATGGG 1
RESULT 5
AAQ81143/c
ID AAQ81143 standard: cDNA, 22 BP.
XX AAQ81143:
AC AAQ81143:
XX 15-AUG-1995 (first entry)
XX (INCY-) INCYTE PHARM INC.

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DE HPLA2 10 gene PCR primer H10-C.
XX HPLA2-10, phospholipase A2, PLA2, Eaten disease;
KW neuronal ceroid lipofuscinosis; gene therapy; primer; PCR;
KW polymerase chain reaction; RACE; ss.
XX Synthetic.
OS
XX W09502328-A.
IN 26 JAN 1995.
XX 15-JUL-1994; 94WO-US07926.
XX 15-JUL-1993; 93US-0091941.
XX 26-JUL-1993; 93US-0097354.
XX (INCY ) INCYTE PHARM INC.
XX (INCY ) UNIV INDIANA FOUND.
XX Seilhamer JJ, Tischfield JA;
PI WPI: 1995-067096/09.
XX Novel type III and IV low mol. wt. phospholipase A2 enzymes
XX from humans and rats; also nucleic acid sequences useful, e.g.
XX for treatment of genetic diseases; research into Batten's
XX disease, etc.
XX Example 1; Page 43; 160pp; English.
XX A human PLA2 cDNA (AAQ81143) expressing a novel type IV
XX PLA2, HPLA2-10, was isolated from human brain RNA by RACE-PCR using
XX the primers given in AAQ81143 47. Primer H10 C was used for 5'
XX RACE-PCR.
XX Sequence 22 BP; 7 A; 1 C; 3 G; 5 T; 0 other;
SU Query Match 2.28; Score 22; DB 10; Length 22.
Best Local Similarity 100.00; Pred. No. 70; GC%;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0.
UY 522 ATACTTTCGAAACATGCTCTCC 543
DB 22 ATACTTTCGAAACATGCTCTCC 1
RESULT 6
AAQ81140
ID AAQ81140 standard: cDNA, 22 BP.
XX AAQ81140:
AC AAQ81140:
XX 15-AUG-1995 (first entry)
XX HPLA2-10 gene primer H10-A.
XX HPLA2-10, phospholipase A2, PLA2, Batten disease;
KW neuronal ceroid lipofuscinosis; gene therapy; primer; PCR;
KW polymerase chain reaction; RACE; ss.
XX Synthetic.
OS
XX W09502328-A.
IN 26 JAN-1995.
XX 15-JUL-1994; 94WO-US07926.
XX 15-JUL-1993; 93US-0091941.
XX 26-JUL-1993; 93US-0097354.
XX (INCY-) INCYTE PHARM INC.

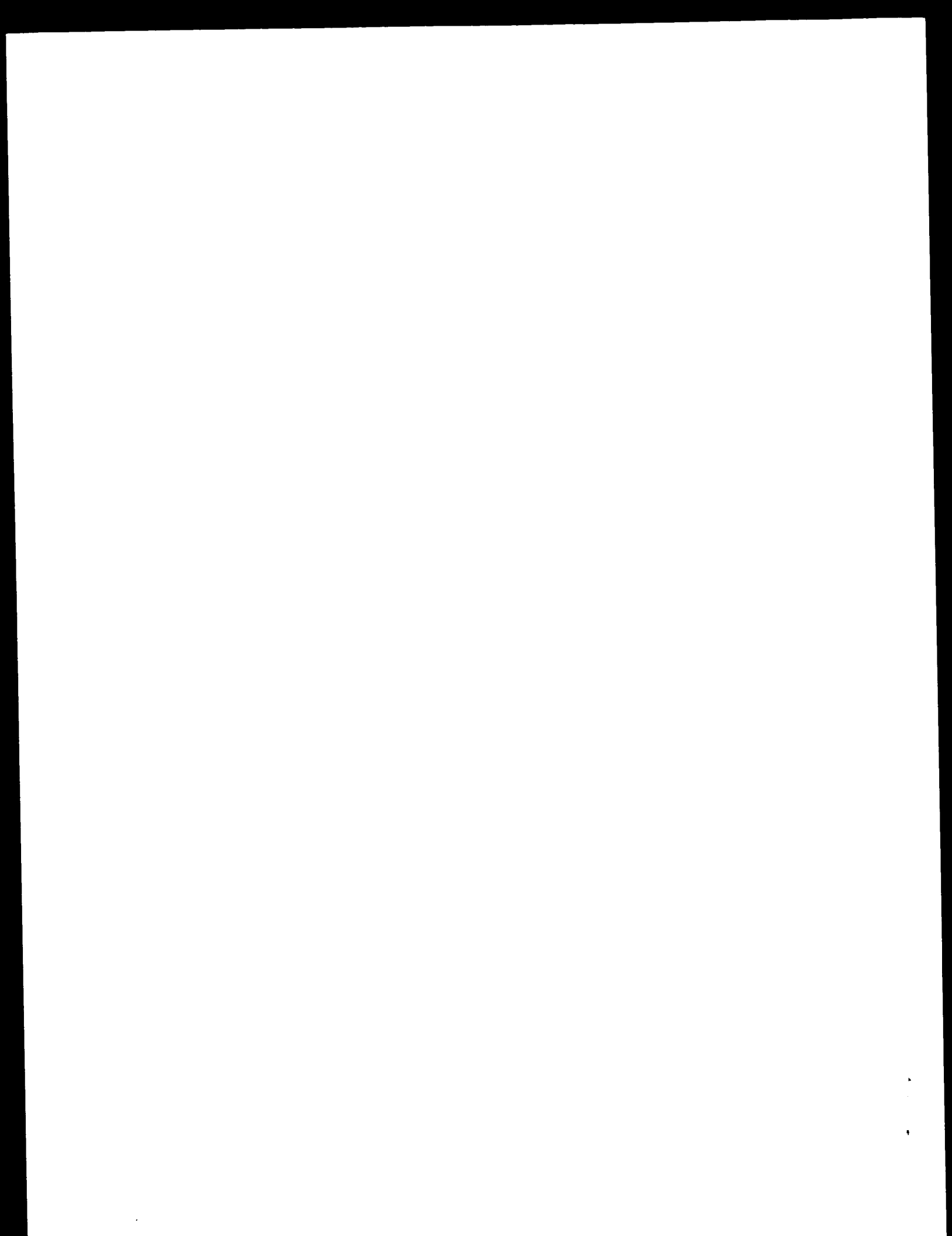
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us-10-016-149-3.lim50.rng

Thu Mar 6 09:57:59 2003

PA (INDV) UNIV INDIANA FOUND.
 XX Seilhamer JJ, Tischfield JA;
 XX WPI; 1995-067096/09.
 XX Novel type III and IV low mol. wt. phospholipase A2 enzymes
 PT from humans and rats, also nucleic acid sequences useful, e.g.
 PT for recombinant prodn. of enzymes, research into Batten's
 PT disease, etc.
 XX Example 1; Page 43; 160pp; English.
 XX A human PLA2-encoding cDNA (AA081138) expressing a novel type IV
 CC PLA2, HPLA2-10, was isolated from human brain RNA by RACE-PCR using
 CC the primers given in AA081140-47. Primer H10-A was used for 3'
 CC RACE-RT PCR.
 XX Sequence 22 BP; 1 A; 5 C; 7 G; 9 T; 0 other;
 SQ Query Match 2.2%; Score 22; 16; Length 22;
 Best Local Similarity 100.0%; Pred. No. 7e+03; 0; Indels 0;
 Matches 22; Conservative 0; Mismatches 0; Gaps 0;
 QY 151 CTGGCTTGGTTCCTGGCTTCTA 172
 DB 1 CTGGCTTGGTTCCTGGCTTCTA 22
 RESULT 7
 AA081141
 ID AA081141 standard; cDNA; 22 BP.
 AC AA081141;
 DT 15-AUG-1995 (first entry)
 DE HPLA2-10 gene primer H10-1.
 XX HPLA2-10; phospholipase A2; PLA2; Batten disease;
 KW neuronal ceroid lipofuscinosis; gene therapy; primer; PCR;
 KW polymerase chain reaction; RACE; ss.
 XX Synthetic.
 OS W09502328-A.
 FN 26-JAN-1995.
 PD 15-JUL-1994; 94WO-0507926.
 PF 15-JUL-1994; 94WO-0507926.
 PR 15-JUL-1994; 93US-0091941.
 PR 26-JUL-1993; 93US-0097354.
 XX (INDV) UNIV INDIANA FOUND.
 PA Seilhamer JJ, Tischfield JA;
 XX WPI; 1995-067096/09.
 XX Novel type III and IV low mol. wt. phospholipase A2 enzymes
 PT from humans and rats, also nucleic acid sequences useful, e.g.
 PT for recombinant prodn. of enzymes, research into Batten's
 PT disease, etc.
 XX Example 1; Page 43; 160pp; English.
 XX A human PLA2-encoding cDNA (AA081138) expressing a novel type IV
 CC PLA2, HPLA2-10, was isolated from human brain RNA by RACE-PCR using
 CC the primers given in AA081140-47. Primer H10-1 was used for 3'
 CC RACE-RT PCR.
 XX Sequence 22 BP; 2 A; 5 C; 8 G; 7 T; 0 other;
 SQ Query Match 2.2%; Score 22; 16; Length 22;
 Best Local Similarity 100.0%; Pred. No. 7e+03; 0; Indels 0;
 Matches 22; Conservative 0; Mismatches 0; Gaps 0;
 QY 294 AACGCCCAAGCATGCGACCTCAT 315
 DB 22 AACGCCCAAGCATGCGACCTCAT 1
 RESULT 9
 AA081142/C
 ID AA081142 standard; cDNA; 22 BP.
 AC AA081142;
 DT 15-AUG-1995 (first entry)
 DE HPLA2-10 gene primer H10-1a.
 XX HPLA2-10; phospholipase A2; PLA2; Batten disease;
 KW neuronal ceroid lipofuscinosis; gene therapy; primer; PCR;
 KW polymerase chain reaction; RACE; ss.
 XX Synthetic.
 OS W09502328-A.
 FN 26-JAN-1995.
 PD 15-JUL-1994; 94WO-0507926.
 PF 15-JUL-1994; 94WO-0507926.
 PR 15-JUL-1994; 93US-0091941.
 PR 26-JUL-1993; 93US-0097354.
 XX (INDV) UNIV INDIANA FOUND.
 PA Seilhamer JJ, Tischfield JA;
 XX WPI; 1995-067096/09.
 XX Novel type III and IV low mol. wt. phospholipase A2 enzymes
 PT from humans and rats, also nucleic acid sequences useful, e.g.
 PT for recombinant prodn. of enzymes, research into Batten's
 PT disease, etc.
 XX Example 1; Page 43; 160pp; English.
 XX A human PLA2-encoding cDNA (AA081138) expressing a novel type IV
 CC PLA2, HPLA2-10, was isolated from human brain RNA by RACE-PCR using
 CC the primers given in AA081140-47. Primer H10-1 was used for 3'
 CC RACE-RT PCR.
 XX Sequence 22 BP; 2 A; 5 C; 8 G; 7 T; 0 other;
 SQ Query Match 2.2%; Score 22; 16; Length 22;
 Best Local Similarity 100.0%; Pred. No. 7e+03; 0; Indels 0;
 Matches 22; Conservative 0; Mismatches 0; Gaps 0;

PA (INDV) UNIV INDIANA FOUND.
 XX Seilhamer JJ, Tischfield JA;
 XX WPI; 1995-067096/09.
 XX Novel type III and IV low mol. wt. phospholipase A2 enzymes
 PT from humans and rats, also nucleic acid sequences useful, e.g.
 PT for recombinant prodn. of enzymes, research into Batten's
 PT disease, etc.
 XX Example 1; Page 43; 160pp; English.
 XX A human PLA2-encoding cDNA (AA081138) expressing a novel type IV
 CC PLA2, HPLA2-10, was isolated from human brain RNA by RACE-PCR using
 CC the primers given in AA081140-47. Primer H10-A was used for 3'
 CC RACE-RT PCR.
 XX Sequence 22 BP; 1 A; 5 C; 7 G; 9 T; 0 other;
 SQ Query Match 2.2%; Score 22; 16; Length 22;
 Best Local Similarity 100.0%; Pred. No. 7e+03; 0; Indels 0;
 Matches 22; Conservative 0; Mismatches 0; Gaps 0;
 QY 151 CTGGCTTGGTTCCTGGCTTCTA 172
 DB 1 CTGGCTTGGTTCCTGGCTTCTA 22
 RESULT 7
 AA081141
 ID AA081141 standard; cDNA; 22 BP.
 AC AA081141;
 DT 15-AUG-1995 (first entry)
 DE HPLA2-10 gene primer H10-1.
 XX HPLA2-10; phospholipase A2; PLA2; Batten disease;
 KW neuronal ceroid lipofuscinosis; gene therapy; primer; PCR;
 KW polymerase chain reaction; RACE; ss.
 XX Synthetic.
 OS W09502328-A.
 FN 26-JAN-1995.
 PD 15-JUL-1994; 94WO-0507926.
 PF 15-JUL-1994; 94WO-0507926.
 PR 15-JUL-1994; 93US-0091941.
 PR 26-JUL-1993; 93US-0097354.
 XX (INDV) UNIV INDIANA FOUND.
 PA Seilhamer JJ, Tischfield JA;
 XX WPI; 1995-067096/09.
 XX Novel type III and IV low mol. wt. phospholipase A2 enzymes
 PT from humans and rats, also nucleic acid sequences useful, e.g.
 PT for recombinant prodn. of enzymes, research into Batten's
 PT disease, etc.
 XX Example 1; Page 43; 160pp; English.
 XX A human PLA2-encoding cDNA (AA081138) expressing a novel type IV
 CC PLA2, HPLA2-10, was isolated from human brain RNA by RACE-PCR using
 CC the primers given in AA081140-47. Primer H10-1 was used for 3'
 CC RACE-RT PCR.
 XX Sequence 22 BP; 1 A; 5 C; 7 G; 9 T; 0 other;
 SQ Query Match 2.2%; Score 22; 16; Length 22;
 Best Local Similarity 100.0%; Pred. No. 7e+03; 0; Indels 0;
 Matches 22; Conservative 0; Mismatches 0; Gaps 0;



us-10-016-149-3.lim50.rni

Thu Mar 6 09:58:00 2003

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Query Match      3.2%; Score 33; DB 2; Length 44;
Best Local Similarity 100.0%; Prod. No. 0.33;
Matches 33; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 127 CCAGAGATGAAGGCGCTCTCCACTGGCTGG 159
      |||||
Db 12 CCAGAGATGAAGGCGCTCTCCACTGGCTGG 44

RESULT 2
US 09 362-230-17
Sequence 17, Application US/09462240
Patent No. 6452849
GENERAL INFORMATION:
APPLICANT: Tischfield, Jay A.
APPLICANT: Seilhamer, Jeffrey J.
TITLE OF INVENTION: Mammalian Phospholipase A2 Nucleotide
TITLE OF INVENTION: Sequences and Low Molecular Weight Amino Acid Sequences
TITLE OF INVENTION: Encoded Thereby, Antisense Sequences and Nucleotide
TITLE OF INVENTION: Sequences Having Internal Ribosome Binding Sites
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Ruden, Barnett, McClosky, Smith, Schuster &
ADDRESS: Russell PA
STREET: 200 East Broward Boulevard
CITY: Fort Lauderdale
STATE: FL
COUNTRY: USA
ZIP: 33401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/07926
FILING DATE: 15-JUL-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/097,354
FILING DATE: 26-JUL-1993
ATTORNEY/AGENT INFORMATION:
NAME: Maus, Peter J.
REGISTRATION NUMBER: 32,264
REFERENCE/DOCKET NUMBER: IN21044-5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 305-527-2498
TELEFAX: 305-764-4996
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 44 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
PCT-US94-07926-17

Query Match      3.2%; Score 33; DB 4; Length 44;
Best Local Similarity 100.0%; Prod. No. 0.33;
Matches 33; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 127 CCAGAGATGAAGGCGCTCTCCACTGGCTGG 159
      |||||
Db 12 CCAGAGATGAAGGCGCTCTCCACTGGCTGG 44

RESULT 3
PCT-US94-07926-17
Sequence 17, Application PCT/US9407926
GENERAL INFORMATION:
APPLICANT: Tischfield, Jay A.

```


COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC DOS 5.0
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/888,497
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,405
FILING DATE:
APPLICATION NUMBER: US 08/097,354
FILING DATE: 26-JUL-1993
ATTORNEY/AGENT INFORMATION:
NAME: Manso, Peter J.
REGISTRATION NUMBER: 32,264
REFERENCE/TOCKET NUMBER: IN21044-5
TELEPHONE: 305-527-2498
TELEFAX: 305-764-4996
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 39 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-888-497-18

Query Match 2.5% Score 25.4 DB 2 Length 29;
Best Local Similarity 96.7% Pred. No. 75;
Matches 26, Conservative 0, Mismatches 1, Indels 0, Gaps 0;

QY 526 TTTCGCAACATCCTGCTGCTAGGCG 552
|||||
DB 39 TTTCGCAACATCCTGCTGCTAGGCG 13

RESULT 5
US-09-462-230-19/6
Sequence 18, Application US/09362240
Patent No. 6352649
GENERAL INFORMATION:
APPLICANT: Tischfield, Jay A.
TITLE OF INVENTION: Mammalian Phospholipase A2 Nucleotide
TITLE OF INVENTION: Sequences and Low Molecular Weight Amino Acid Sequences
TITLE OF INVENTION: Encoded Thereby, Antisense Sequences and Nucleotide
TITLE OF INVENTION: Sequences Having Internal Ribosome Binding Sites
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Ruden, Barnett, McClosky, Smith, Schuster &
ADDRESS: Russell PA
STREET: 200 East Broward Boulevard
CITY: Fort Lauderdale
STATE: FL
COUNTRY: USA
ZIP: 33301
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/462,240
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/888,497
FILING DATE:
APPLICATION NUMBER: US 08/097,354
FILING DATE: 26-JUL-1993
ATTORNEY/AGENT INFORMATION:
NAME: Manso, Peter J.

REGISTRATION NUMBER: 32,264
REFERENCE/TOCKET NUMBER: IN21044-5
TELEPHONE: 305-527-2498
TELEFAX: 305-764-4996
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 39 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US 04-362 230-18

Query Match 2.5% Score 25.4 DB 4 Length 29;
Best Local Similarity 96.7% Pred. No. 75;
Matches 26, Conservative 0, Mismatches 1, Indels 0, Gaps 0;

QY 526 TTTCGCAACATCCTGCTGCTAGGCG 552
|||||
DB 39 TTTCGCAACATCCTGCTGCTAGGCG 13

RESULT 6
PCT-US94-07926-19/A
Sequence 18, Application IC/TUS9407926
GENERAL INFORMATION:

APPLICANT: Tischfield, Jay A.
TITLE OF INVENTION: Mammalian Phospholipase A2 Nucleotide
TITLE OF INVENTION: Sequences and Low Molecular Weight Amino Acid Sequences
TITLE OF INVENTION: Encoded Thereby, Antisense Sequences and Nucleotide
TITLE OF INVENTION: Sequences Having Internal Ribosome Binding Sites
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Ruden, Barnett, McClosky, Smith, Schuster &
ADDRESS: Russell PA
STREET: 200 East Broward Boulevard
CITY: Fort Lauderdale
STATE: FL
COUNTRY: USA
ZIP: 33301
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/07926
FILING DATE: 15-JUL-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/097,354
FILING DATE: 26-JUL-1993
ATTORNEY/AGENT INFORMATION:
NAME: Manso, Peter J.
REGISTRATION NUMBER: 32,264
REFERENCE/TOCKET NUMBER: IN21044-5
TELEPHONE: 305-527-2498
TELEFAX: 305-764-4996
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 39 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
PCT-US94-07926-18

Query Match 2.5% Score 25.4 DB 5 Length 39;
Best Local Similarity 96.7% Pred. No. 75;
Matches 26, Conservative 0, Mismatches 1, Indels 0, Gaps 0;


```

: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: F-1 1.0; S
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/651,405
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US/08/651,405
: FILING DATE:
: APPLICATION NUMBER: US 08/097,354
: FILING DATE: 26-JUL-1993
: ATTORNEY/AGENT INFORMATION:
: NAME: Manso, Peter J.
: REGISTRATION NUMBER: 32,264
: REFERENCE/KEYWORD NUMBER: IN1044-5
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 305-527-2498
: TELEFAX: 305-764-4996
: INFORMATION FOR SEQ ID NO: 15:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 22 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: cDNA
: US-08-888-497-15

```

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Query Match 2.2% Score 22; DB 2; Length 22;
Best Local Similarity 100.0%; Pos. Rel. For. 1;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 254 AACGCCCAAGCATGACCCAT 315
      |||||
DB 22 AACGCCCAAGCATGACCCAT 1

```

```

RESULT 10
US-08-888-497-15
: Sequence 16, Application US/08/651,405
: Patent No. 5972677
: GENERAL INFORMATION:
: APPLICANT: Tischfield, Jay A.
: APPLICANT: Seilhamer, Jeffrey J.
: TITLE OF INVENTION: Mammalian Phospholipase A2 Nucleotide
: TITLE OF INVENTION: Sequences and Low Molecular Weight Amino Acid Sequences
: TITLE OF INVENTION: Encoded Theory, Antisense Sequences and Nucleotide
: TITLE OF INVENTION: Sequences Having Internal Ribosome Binding Sites
: NUMBER OF SEQUENCES: 44
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Ruden, Barnett, McClosky, Smith, Schuster &
: ADDRESSEE: Russell PA
: STREET: 200 East Broward Boulevard
: CITY: Fort Lauderdale
: STATE: FL
: COUNTRY: USA
: ZIP: 33301
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/651,405
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US/08/651,405
: FILING DATE:
: APPLICATION NUMBER: US 08/097,354
: FILING DATE: 26-JUL-1993
: ATTORNEY/AGENT INFORMATION:
: NAME: Manso, Peter J.

```

```

: REGISTRATION NUMBER: 32,264
: REFERENCE/KEYWORD NUMBER: IN1044-5
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 305-527-2498
: TELEFAX: 305-764-4996
: INFORMATION FOR SEQ ID NO: 16:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 22 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: cDNA
: US-08-888-497-16

```

```

Query Match 2.2% Score 22; DB 2; Length 22;
Best Local Similarity 100.0%; Pos. Rel. For. 1;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 522 ATACTTCCCAACATGCTCTGC 543
      |||||
DB 22 ATACTTCCCAACATGCTCTGC 1

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```

RESULT 11
US-09-362-230-13
: Sequence 13, Application US/09/362,230
: Patent No. 6352849
: GENERAL INFORMATION:
: APPLICANT: Tischfield, Jay A.
: APPLICANT: Seilhamer, Jeffrey J.
: TITLE OF INVENTION: Mammalian Phospholipase A2 Nucleotide
: TITLE OF INVENTION: Sequences and Low Molecular Weight Amino Acid Sequences
: TITLE OF INVENTION: Encoded Theory, Antisense Sequences and Nucleotide
: TITLE OF INVENTION: Sequences Having Internal Ribosome Binding Sites
: NUMBER OF SEQUENCES: 44
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Ruden, Barnett, McClosky, Smith, Schuster &
: ADDRESSEE: Russell PA
: STREET: 200 East Broward Boulevard
: CITY: Fort Lauderdale
: STATE: FL
: COUNTRY: USA
: ZIP: 33301
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/362,230
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/888,497
: FILING DATE:
: APPLICATION NUMBER: US 08/097,354
: FILING DATE: 26-JUL-1993
: ATTORNEY/AGENT INFORMATION:
: NAME: Manso, Peter J.
: REGISTRATION NUMBER: 32,264
: REFERENCE/KEYWORD NUMBER: IN1044-5
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 305-527-2498
: TELEFAX: 305-764-4996
: INFORMATION FOR SEQ ID NO: 13:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 22 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: cDNA
: US-09-362-230-13

```

```
Query Match          2.2%; Score 22; DB 4; Length 22;
Best Local Similarity 100.0%; Pred. No. 6.5e+02;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 151 CTGGCTTGCTTCCTGGCTGTA 172
      |||
DB 1 CTGGCTTGCTTCCTGGCTGTA 22

RESULT 12
US-09-362-230-14
; Sequence 14, Application US/09362230
; Patent No. 6452849
; GENERAL INFORMATION:
; APPLICANT: Tischfield, Jay A.
; TITLE OF INVENTION: Mammalian Phospholipase A2 Nucleotide
; TITLE OF INVENTION: Sequences and Low Molecular Weight Amino Acid Sequences
; TITLE OF INVENTION: Encoded Thereby, Antisense Sequences and Nucleotide
; TITLE OF INVENTION: Sequences Having Internal Ribosome Binding Sites
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ruden, Barnett, McClosky, Smith, Schuster &
; ADDRESSEE: Russell PA
; STREET: 200 East Broward Boulevard
; CITY: Fort Lauderdale
; STATE: FL
; COUNTRY: USA
; ZIP: 33301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/362,230
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/888,497
; FILING DATE:
; APPLICATION NUMBER: US 08/097,354
; FILING DATE: 26-JUL-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Mausso, Peter J.
; REGISTRATION NUMBER: 32,264
; REFERENCE/DOCKET NUMBER: IN21044-5
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 305-527-2498
; TELEFAX: 305-764-4996
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-362-230-15

Query Match          2.2%; Score 22; DB 4; Length 22;
Best Local Similarity 100.0%; Pred. No. 6.5e+02;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 294 AACCCGCAAGGATGGACCGAT 315
      |||
DB 22 AACCCGCAAGGATGGACCGAT 1

RESULT 14
US-09-362-230-16/c
; Sequence 16, Application US/09462230
; Patent No. 6452849
; GENERAL INFORMATION:
; APPLICANT: Tischfield, Jay A.
; TITLE OF INVENTION: Mammalian Phospholipase A2 Nucleotide
; TITLE OF INVENTION: Sequences and Low Molecular Weight Amino Acid Sequences
; TITLE OF INVENTION: Encoded Thereby, Antisense Sequences and Nucleotide
; TITLE OF INVENTION: Sequences Having Internal Ribosome Binding Sites
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ruden, Barnett, McClosky, Smith, Schuster &
; ADDRESSEE: Russell PA
; STREET: 200 East Broward Boulevard
; CITY: Fort Lauderdale
; STATE: FL
; COUNTRY: USA

Query Match          2.2%; Score 22; DB 4; Length 22;
Best Local Similarity 100.0%; Pred. No. 6.5e+02;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 186 GGAAGAGGCTTGCTGGAGCTA 207
      |||
DB 1 GGAAGAGGCTTGCTGGAGCTA 22

RESULT 14
US-09-362-230-15/c
; Sequence 15, Application US/09462230
; Patent No. 6452849
; GENERAL INFORMATION:
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ZIP: 33301
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US 08/097,354
FILING DATE: 26-JUL-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/988,497
FILING DATE:
APPLICATION NUMBER: US 08/097,354
ATTORNEY/AGENT INFORMATION:
NAME: Manso, Peter J.
REGISTRATION NUMBER: 32,264
REFERENCE/DOCKET NUMBER: IN21044-5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 305-527-2498
TELEFAX: 305-764-4996
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 22 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-09-462-230-16

Query Match 2.2%, Score 22, DB 4, Length 22;
Best local Similarity 100.0%, Pred. No. 6.5e+02;
Matches 22, Conservative 0, Mismatches 0; Indels 0; Gaps 0;

QY 522 ATACTTCCCAACATCCTCTGC 543
|||||
Db 22 ATACTTCCCAACATCCTCTGC 1

RESULT 15

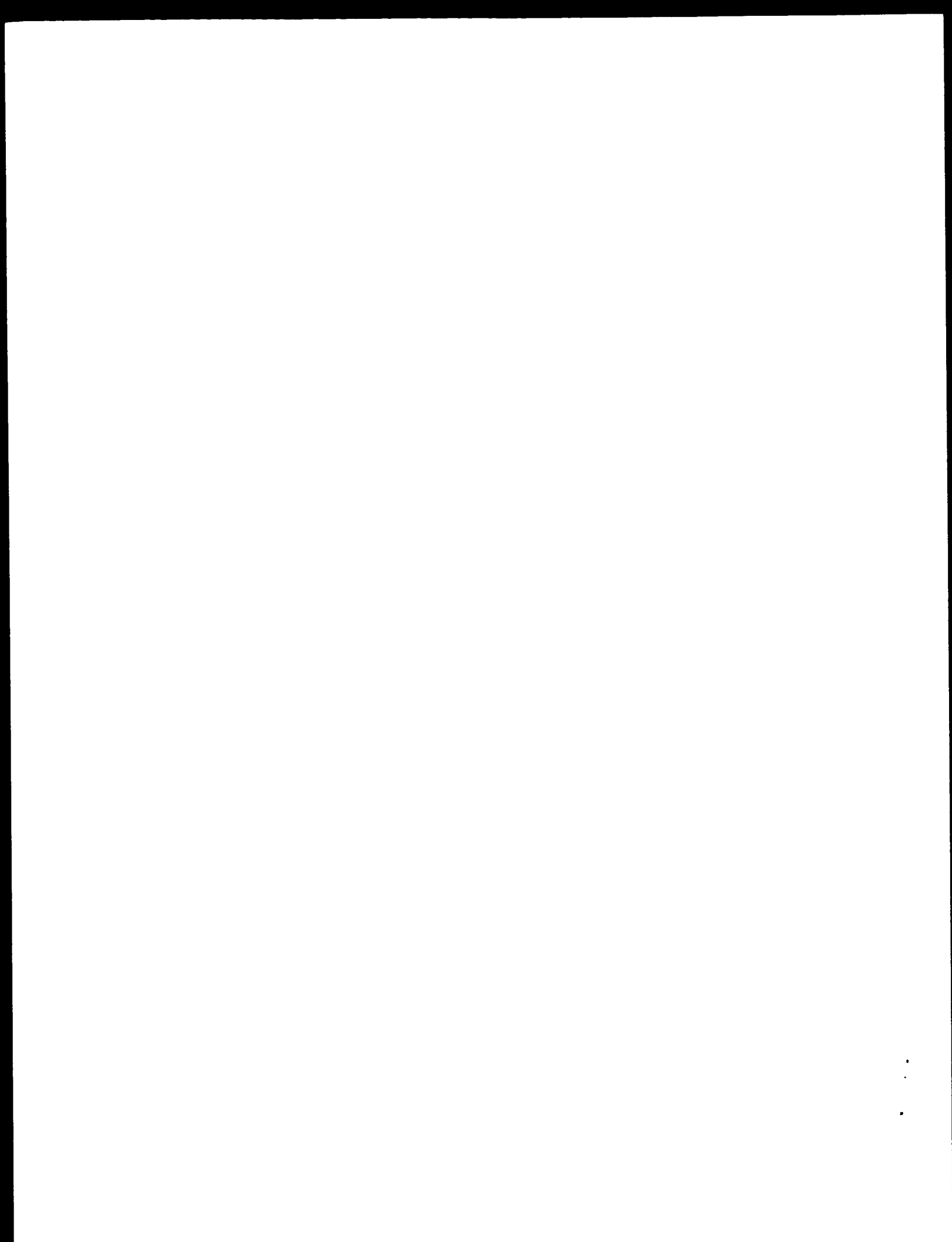
PCI-US94-07926-13
Sequence 13, Application PC77089407926
GENERAL INFORMATION:
APPLICANT: Tischfield, Jeffrey J.
TITLE OF INVENTION: Mammalian Phospholipase A2 Nucleotide
TITLE OF INVENTION: Sequences and Low Molecular Weight Amino Acid Sequences
TITLE OF INVENTION: Encoded Thereby, Antisense Sequences and Nucleotide
TITLE OF INVENTION: Sequences Having Internal Ribosome Binding Sites
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Roden, Barnett, McClosky, Smith, Schuster &
ADDRESSEE: Russell PA
STREET: 200 East Broward Boulevard
CITY: Fort Lauderdale
STATE: FL
COUNTRY: USA
ZIP: 33301
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PC77089407926
FILING DATE: 15-JUL-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/097,354
FILING DATE: 26-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Manso, Peter J.

REGISTRATION NUMBER: 32,264
REFERENCE/DOCKET NUMBER: IN21044-5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 305-527-2498
TELEFAX: 305-764-4996
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 22 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
PCI-US94-07926-13

Query Match 2.2%, Score 22, DB 5, Length 22;
Best local Similarity 100.0%, Pred. No. 6.5e+02;
Matches 22, Conservative 0, Mismatches 0; Indels 0; Gaps 0;

QY 151 CTGGCTTGGTTCTGCTGCTGTA 172
|||||
Db 1 CTGGCTTGGTTCTGCTGCTGTA 22

Search completed: March 4, 2003, 02:20:32
Job time: 61 secs



us-10-016-149-3.lim50.rnpb

Thu Mar 6 09:58:00 2003

```
Best Local Similarity 70.8%; Pred. No. 1.4e+04; Indels 0; Gaps 0;
Matches 26; Conservative 0; Mismatches 11;

QY 585 TTTCTCTTTCTTCTACACACAGTACTGCTGCG 621
DB 46 TTTCTCTTTCTTCTACACAGAGCAAGTGTCTGCG 10

RESULT 2
US-09-968-851-52/c
; Sequence 52, Application US/09968851
; Publication No. US20020194561A1
; GENERAL INFORMATION:
; APPLICANT: BRACCO, LAURENT
; TITLE OF INVENTION: P53 PROTEIN VARIANTS AND THERAPEUTICAL
; USES THEREOF
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FINNEGAN, HENDERSON, FARABOW, GARRETT &
; STREET: 1300 I Street, NW
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/09/968,851
; FILING DATE: 03-Oct-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/983,035
; FILING DATE: 20-Feb-1998
; APPLICATION NUMBER: PFI/PP45,01111
; FILING DATE: 17-Jul-1996
; APPLICATION NUMBER: FR 95/08729
; FILING DATE: 19-JUL-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Strauss, William L.
; REGISTRATION NUMBER: 47,114
; REFERENCE/DOCKET NUMBER: 03804 0142
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 48 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 52:
US-09-968-851-52

Query Match 1.9%; Score 19.4; DB 9; Length 48;
Best Local Similarity 64.4%; Pred. No. 1.5e+04;
Matches 29; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

QY 530 CCAACATCCCTGCTCTAGCTCCGACGAGGAGTCTCTCCAGA 574
DB 45 CCTTCAGCGCGGATGCTCTGCTCCGACGAGGAGGAGCTCTCTCA 1

RESULT 3
US-09-817-774-12
; Sequence 12, Application US/09817774
; Patent No. US2002012611A1
; GENERAL INFORMATION:
; APPLICANT: McARTHUR, HAMISH
```

```
APPLICANT: CHOE, SUNDBWA
APPLICANT: FELDMANN A., Kenneth
TITLE OF INVENTION: DM15 MUTANTS
FILE REFERENCE: 2225-0020 / 41020,002
CURRENT APPLICATION NUMBER: US/09/817,774
CURRENT FILING DATE: 2001-03-26
PRIOR APPLICATION NUMBER: 60/192,202
PRIOR FILING DATE: 2000-03-27
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 12
LENGTH: 33
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: D5-4 3
US-09-817-774-12

Query Match 1.9%; Score 19; DB 10; Length 33;
Best Local Similarity 81.5%; Pred. No. 1.6e+04;
Matches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 574 ACCAAGCTTTCTTCTGTTTCTTCTAC 600
DB 7 ACCAAGCTGTGTCTTCTTCTTCTAC 33

RESULT 4
US-10-067-790-45
; Sequence 45, Application US/10067790
; Publication No. US20040035807A1
; GENERAL INFORMATION:
; APPLICANT: MCCORMICK, Allison
; APPLICANT: TUSE, Daniel
; APPLICANT: REINH, Stephen
; APPLICANT: LINDBO, John
; APPLICANT: TURPEN, Thomas
; TITLE OF INVENTION: SELF ANTIGEN VACCINES FOR TREATING B CELL LYMPHOMAS AND OTHER
; FILE REFERENCE: 18696-169194
; CURRENT APPLICATION NUMBER: US/10/067,790
; CURRENT FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US/09/522,900
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: US 66/155,579
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: Patent In version 3.0
; SEQ ID NO 45
; LENGTH: 39
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: ()-()
; OTHER INFORMATION: linker
US-10-067-790-45

Query Match 1.9%; Score 19; DB 9; Length 39;
Best Local Similarity 71.4%; Pred. No. 1.7e+04;
Matches 25; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 251 ACTACGCTCTACGCTGCTTACTGCGGTGAGGC 285
DB 1 ACTACTGCTACTGCTGCTACTACTACTGCTGCTGC 45

RESULT 5
US-09-766-898-12/c
; Sequence 12, Application US/09766898
; Patent No. US20010016350A1
; GENERAL INFORMATION:
; APPLICANT: STEUTMAN-ENGWALL, Kim J
; APPLICANT: McARTHUR, HAMISH
```



```

1 TYPE: DNA
2 ORGANISM: Artificial Sequence
3 FEATURE:
4 OTHER INFORMATION: Description of Artificial Sequence: PCR primer
US-09-804-615-32
Query Match 1.8% Score 18.4; DB 10; Length 49;
Best Local Similarity 72.7%; Pred. No. 2 3e+04;
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
QY 273 CTGGGCTGGGGGCGAGCAAAATTCACAGA 305
11111111 111111 11111111
DB 38 CTGGGCTGGCTGGGCTGAGCGGCGCCACAAGA 6
RESULT 9
US-09-801-274-629
Sequence 629, Application US/09801274
Patent No. US20020032319A1
GENERAL INFORMATION:
APPLICANT: Cargill, Michele
APPLICANT: Ireland, James S.
APPLICANT: Lander, Eric S.
TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
FILE REFERENCE: 2P56 2009-001
CURRENT APPLICATION NUMBER: US 09/801-274
PRIOR FILING DATE: 2001-03-07
PRIOR APPLICATION NUMBER: US 60/187,510
PRIOR FILING DATE: 2000-03-07
PRIOR APPLICATION NUMBER: US 60/206,129
PRIOR FILING DATE: 2000-05-22
NUMBER OF SEQ ID NOS: 1802
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 629
TYPE: DNA
ORGANISM: Homo sapiens
US-09-801-274-629
Query Match 1.8% Score 18.4; DB 10; Length 31;
Best Local Similarity 73.3%; Pred. No. 2.3e+04;
Matches 22; Conservative 1; Mismatches 7; Indels 0; Gaps 0;
QY 746 AGGTTCACAGGCTCCTTAGGCTTGCCTTC 775
11111 1111 111111111111
DB 2 AGGTTCACAGTGTGTCAGAGCTTCACAT: 31
RESULT 10
US-09-765-272-259
Sequence 259, Application US/09765272
Patent No. US20020061545A1
GENERAL INFORMATION:
APPLICANT: Choi et. al.
TITLE OF INVENTION: Streptococcus pneumoniae Anticaps and Vaccines
NUMBER OF SEQUENCES: 452
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US 09/765-272
FILING DATE: 22-Jan-2001
CLASSIFICATION: C06K39/02

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2	PRIOR APPLICATION NUMBER: 60/077420	2	PRIOR FILING DATE: 1998-04-15
3	PRIOR FILING DATE: 1998-03-10	3	PRIOR APPLICATION NUMBER: 60/081838
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5	PRIOR FILING DATE: 1998-03-11	5	PRIOR APPLICATION NUMBER: 60/082568
6	PRIOR APPLICATION NUMBER: 60/077641	6	PRIOR FILING DATE: 1998-04-21
7	PRIOR FILING DATE: 1998-03-11	7	PRIOR APPLICATION NUMBER: 60/082569
8	PRIOR APPLICATION NUMBER: 60/077649	8	PRIOR FILING DATE: 1998-04-21
9	PRIOR FILING DATE: 1998-03-11	9	PRIOR APPLICATION NUMBER: 60/082704
10	PRIOR APPLICATION NUMBER: 60/077741	10	PRIOR FILING DATE: 1998-04-22
11	PRIOR FILING DATE: 1998-03-12	11	PRIOR APPLICATION NUMBER: 60/082904
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[illegible]

us-10-016-149-3.lim50.rnpb

Thu Mar 6 09:58:00 2003

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Query Match 1.88; Score 18.4; DB 9; Length 45;
 Best Local Similarity 69.48; Pred. No. 2,96,04;
 Matches 25; Causervative 0; Mismatches 11; Indels 0; Gaps 0;

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2 PRIOR FILING DATE: 1998-05-15
2 PRIOR APPLICATION NUMBER: 60/085687

Query Match 1.8%; Score 18.4; DB 9; Length 45;

Best Local Similarity 69.4%; Fred. No. 2.9e+04;

Matches 25; Conservative 0; Mismatches 11; Indels 0; Gaps 0.

QY 201 GGAATTAATTAATCAATCAAGAGAGAGAGAA 236

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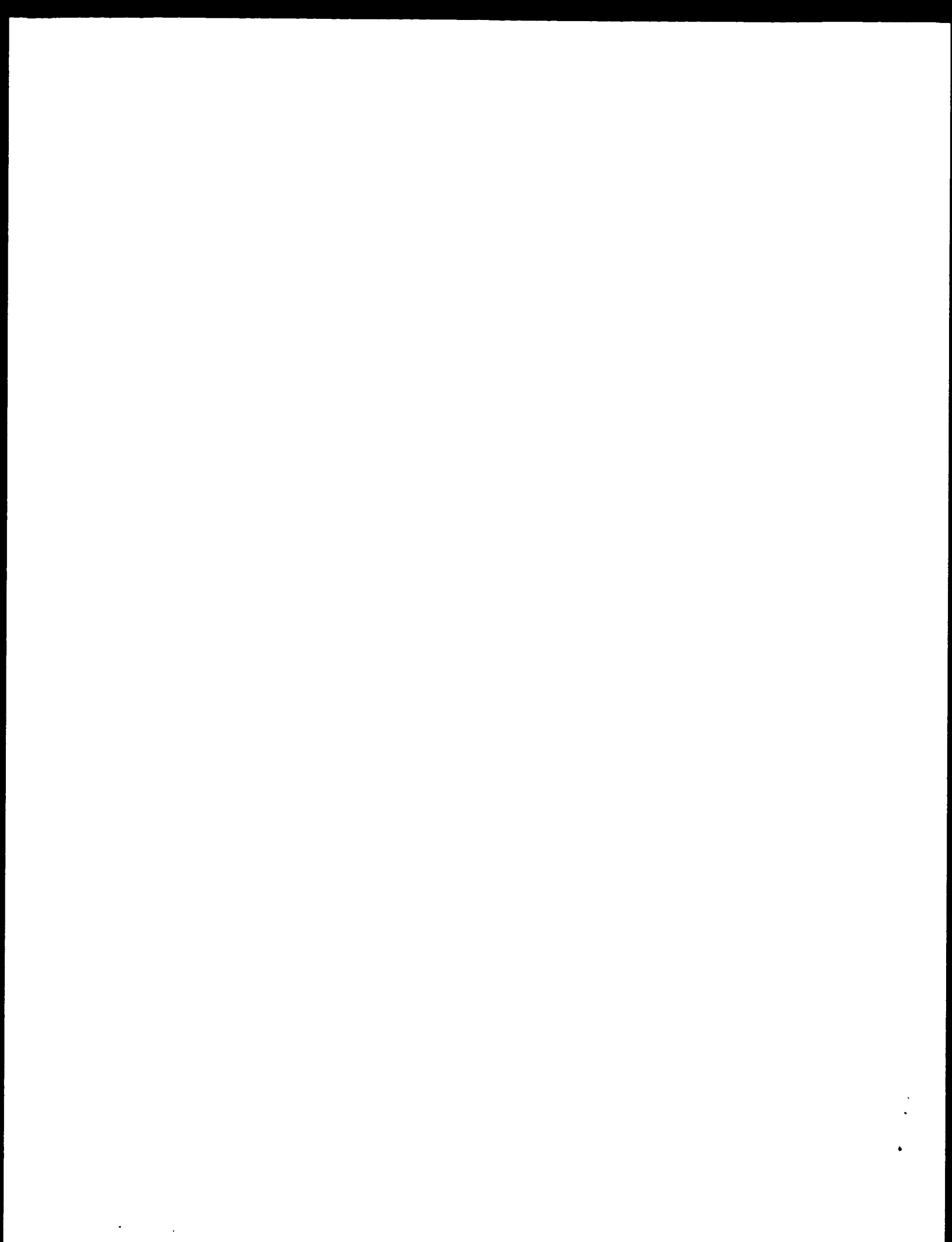
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US-09-978-189-43
2 Sequence 43, Application US/09978189
2 Publication No. us20030004102A1
2 GENERAL INFORMATION:
2 APPLICANT: Ashkenazi, Avi
2 APPLICANT: Baker Kevin P.
2 APPLICANT: Bolstein, David
2 APPLICANT: Desnoyers, Luc
2 APPLICANT: Eaton, Dan
2 APPLICANT: Ferrara, Napoleon
2 APPLICANT: Filvaroff, Ellen
2 APPLICANT: Fong, Sherman
2 APPLICANT: Gao, Wei-Qiang
2 APPLICANT: Gerber, Hanspeter
2 APPLICANT: Gottlieb, Mary E.
2 APPLICANT: Goddard, Audrey
2 APPLICANT: Godowski, Paul J.
2 APPLICANT: Grimaldi, J. Christopher
2 APPLICANT: Gurley, Austin L.
2 APPLICANT: Hillan, Kenneth J.
2 APPLICANT: Kljavin, Ivar J.
2 APPLICANT: Kuo, Sophia S.
2 APPLICANT: Napier, Mary A.
2 APPLICANT: Pan, James
2 APPLICANT: Paoni, Nicholas F.
2 APPLICANT: Roy, Margaret Ann
2 APPLICANT: Shelton, David L.
2 APPLICANT: Stewart, Timothy A.
2 APPLICANT: Thomas, Daniel
2 APPLICANT: Williams, P. Mirkey
2 APPLICANT: Wood, William L.
2 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
2 FILE REFERENCE: P2630FC7
2 CURRENT APPLICATION NUMBER: US/09/978.189
2 CURRENT FILING DATE: 2001-10-15
2 PRIOR APPLICATION NUMBER: 60/018585
2 PRIOR FILING DATE: 2001-07-30
2 PRIOR APPLICATION NUMBER: 60/062250
2 PRIOR FILING DATE: 1997-10-17
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2 PRIOR APPLICATION NUMBER: 60/079664
2 PRIOR FILING DATE: 1998-03-27
2 PRIOR APPLICATION NUMBER: 60/079689



CarCore version 3.0.4.F0.1570
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OM nucleic - nucleic search, using sw model

Run on: March 4, 2003, 00:50:20; Search time: 1741 seconds

(without alignments)
9451 243 Million cell updates/sec

Title: US-10-016-149-3

Perfect score: 1016

Sequence: 1 atggatacccaattgttgcga...

Scoring table: IDENTITY_NUC

Gapop 10.0, Gapext 1.0

Searched: 16154666 sws. 8047743376 residues

Total number of hits satisfying chosen parameters: 102860

Minimum DB seq length: 0

Maximum DB seq length: 50

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database: EST.*

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pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	21	2.1	50	AU102562	AU102562
2	20.6	2.0	37	827442	827442
3	20.2	2.0	45	180640	180640
4	20.2	2.0	50	AU107366	AU107366
5	20	2.0	49	AA011834	AA011834
6	20	2.0	49	AA101215	AA101215

7	19.8	1.9	46	9	AI744303
8	19.4	1.9	50	9	AI744303
9	19.4	1.9	50	9	AI744303
10	19.4	1.9	50	9	AI744303
11	19.4	1.9	50	9	AI744303
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13	19.4	1.9	50	9	AI744303
14	19.4	1.9	50	9	AI744303
15	19.2	1.9	45	14	AA011834
16	19.2	1.9	46	5	AA011834
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19	19	1.9	50	9	AI744303
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22	18.8	1.9	39	13	B033141
23	18.8	1.9	39	13	B033141
24	18.8	1.9	46	14	H71330
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40	18.2	1.8	45	17	A249009
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ALIGNMENTS

RESULT 1	AU102562/c	50 bp	MPRA	linear	EST 30-AUG-2001
LOCUS	AU102562	Sujana, Homo sapiens cDNA library Homo sapiens cDNA clone			
DEFINITION	COL09872, mRNA sequence.				
VERSION	AU102562				
KEYWORDS	EST.				
SOURCE	human.				
ORGANISM	Homo sapiens				
REFERENCE	Dukerjanc, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Primates, Catarrhini, Homidae, Homo.				
AUTHORS	Suzuki, Y., Taira, H., Tsunoda, T., Mizushima-Sugano, J., Sese, J., Hata, H., Ota, T., Isogai, I., Tanaka, F., Morishita, S., Okubo, K., Sakaki, Y., Nakamura, Y., Sugama, A. and Sugano, S.				
TITLE	Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites				
JOURNAL	EMBO Rep. 2 (5), 388-392 (2001)				
MEDLINE	21270072				
COMMENT	Contact: Yutaka Suzuki Department of Virology Institute of Medical Sciences, University of Tokyo 4-6-1, Shirokane, Minato-ku, Tokyo 108-8639, Japan Email: yusuzuki@ims.u-tokyo.ac.jp Suzuki, Y., Yoshitomo, Nakagawa, K., Haruyama, K., Sugami, A. and Sugano, S. Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library from 200 (1-2), 144-156 (1997).				
FEATURES	Location/Qualifiers				

